Networked Media Jukebox

User's Guide
A-210

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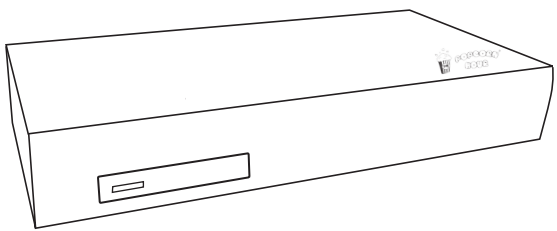
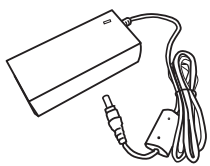
1.1 For Your Safety

Message	Description
Tip	This is a useful tip in using the product
Note	This is a non-critical notice to the user
Caution	Failure to take or avoid a specific action could result in damage to the product or loss of data
Warning	Failure to take or avoid a specific action could result in injury

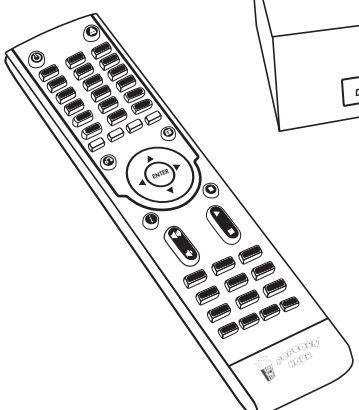
2.1 Package Contents



Popcorn Hour A-210 NMJ (HDD not included)



AC Adaptor



Remote Control

AC power cord

USB cable

USB Slave cable

HDMI cable

2.2 Introduction

Congratulations on your purchase of an award winning product that will enhance your home multimedia experience.

The Popcorn Hour A-210 Networked Media Tank (NMT) allows you to stream digital video, audio and photos from various sources for your enjoyment on your HDTV or Home Theater setup. You can stream or playback your digital media content from a variety of sources, such as your PC, Network Attached Storage (NAS), digital camera, USB mass storage devices (Flash drives, HDD, external CD/DVD drives), internal SATA HDD, directly from the Internet via the Media Service Portal and Apps Market.

Your NMT also serves as an NAS, supports Usenet downloading, and is also a BitTorrent peer-to-peer downloader to eliminate the need to switch on a PC or other devices for this purpose.

Feel free to browse through this user guide to know your NMT better and we hope that you, your family and friends have a great time with this amazing product.

2.3 Features

The Popcorn Hour A-210 NMT is the ultimate solution for your networked home entertainment environment. The A-210 allows you to configure your storage options, with the usage of the 2.5", 3.5" SATA HDD and external CD/DVD drives. The HDMI 1.3a interface allows full support of videos up to 1080p and HD Audio pass-through for DTS HD-HR, DTS HD-MA, Dolby Digital Plus and Dolby TrueHD. The connectors and ports on the A-210 are laid out with your ease-of-use in mind, especially the USB ports on the front and back.

The Popcorn Hour A-210 supports the latest high bitrate video formats (MPEG2 MP@HL, H.264 HP@L4.1, VC-1 AP@L3 in TS of at least 40Mbps) to give you up to 1080p high-definition videos.

In line with the advances in Internet TV, the A-210 supports peer-to-peer Internet TV streaming technology from SayaTV, as well as popular unicast Internet TV such as YouTube, Revision 3 and Vuze via the Media Service Portal. Also new with the A-210 is the internet-radio feature, which allows you to listen to your favorite radio stations that are available online. In addition, with the Apps Market, get more apps to power your experience.

The A-210 firmware is upgradeable to support future media containers, codecs and features.

For detailed specifications of your NMJ and supported audio/video formats, refer to ***Chapter 9: Product Specifications.***

2.4 Minimum System Requirements

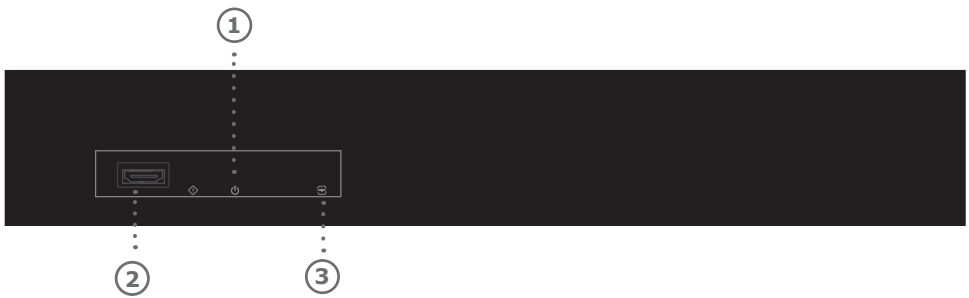
- High-Definition (HD) or standard television (TV) with HDMI, S-Video, Component Video, or Composite Video input
- TV, Stereo, or HD Audio receiver with Optical Digital, Coaxial Digital, or Composite Audio input
- Wired or wireless network (wired 100Mbps or better network is recommended for networked media streaming)
- Connection to the Internet (for use with ***Web Services***)

Listed below are the minimum requirements for installation of the **myiHome Media Server** software application on your PC.

- Pentium 233(MHz) or higher processor (Pentium III or higher recommended)
- Microsoft Windows® 2000, XP, Vista (32 or 64-bit); Mac OS X or Linux operating systems
- 512MB of RAM
- 100MB of available hard disk drive (HDD) space

2.5 Hardware Overview

2.5.1 Front Panel



1 POWER LED

Ring light color	Status
White	Active
Amber	Video OFF
Red	Standby
OFF (no light)	Power OFF

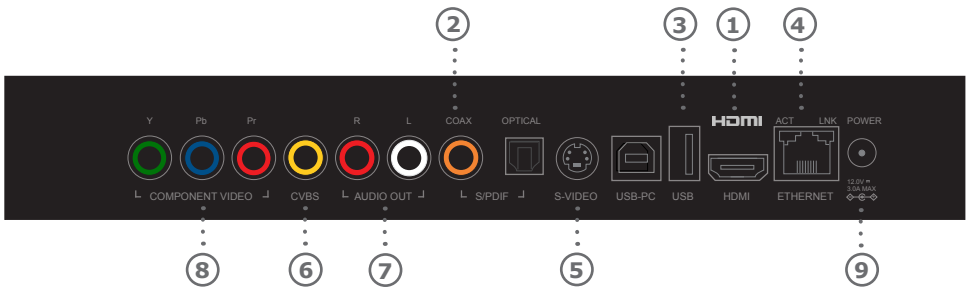
2 USB Ports

Connect a USB storage device to this port to access its media content.

3 Reset Botton

Hardware reset, automatically set TV mode to AUTO for video output detection.

2.5.2 Back Panel



1 HDMI (High-Definition Multimedia Interface) Connector

Use this to connect your HD TV (High Definition TV). (Video and Audio)

2 S/PDIF Coaxial Digital Audio Connector

Use this connector to connect your NMT to your home audio system using the S/PDIF coaxial audio connector. (Audio only)

3 USB Port

Connect USB storage devices to this port to access its media content.

4 Ethernet (RJ-45)Port

Connect an Ethernet cable (RJ-45) to the Ethernet port and attach the other end to a router or hub on your LAN (Local Area Network).

5 S-Video Connector

Use this to connect your NMT to your TV using the S-Video connector. (Video only)

6 CVBS (Composite Video) Connector

Use this connector to connect your NMT to your TV using the yellow Composite Video connector. The Composite Video cable usually comes attached to Composite Audio connectors (red and white connectors). (Video only)

7 Composite Audio Connectors

Use these connectors to connect your NMT to your TV using the red and white Composite Audio connectors. These connectors usually come attached with the Composite Video connector (yellow connector). (Audio only)

8 Component Video Connectors

Use these connectors to connect your NMT to your TV set using component video connectors. The connectors are usually green, blue, and red in color. (Video only)

9 Power Supply Port

Connect the supplied power cord here in order to power your NMT.

2.6 Remote Control

2.6.1 Remote Control Overview

Power
Turns the NMT **ON**, **OFF**, or put on **Standby** mode.

FILE MODE
Displays the File and Folder customization options.

SETUP
Jumps to the Setup menu screen. During video playback, this button allows customization of the display output.

BT **SUSPEND**
This button is reserved for future use.

PAGE UP
Moves up a page when viewing a list of media files. Increases the volume during media playback.

PAGE DOWN
Moves down a page when viewing a list of media files. Decreases the volume during media playback.

TV MODE
Quick-access button to select a TV output resolution. See ***Video Mode Options*** for more information.

MUTE
Mutes the audio output.

EJECT
Ejects the disc of a CD/DVD/BD-ROM drive attached to the NMJ.

DELETE **DELETE**
To erase alphanumeric values during input.

CAPS/NUM
To switch between capitalized, numeric and non-capitalized letters during alphanumeric value input.

0 - 9 **Alphanumeric Keypad**
Allows users to input alphanumeric characters. During video or audio playback, pressing a number will allow the user to jump to a percentage of the media. See ***6.1 Remote Control Functions*** for more information.

RETURN
Returns to the previous menu screen.

SOURCE
Returns to the Media Source screen.

INFO
Displays the timeline bar during media file playback. Press again to display the media file information such as the title, format, and so on.

ENTER
Selects the currently highlighted selection or plays the highlighted media file.
(single file playback only)

Directional Keypad (D-Pad)
Allows you to navigate and highlight options or media files.

A-B
Allows users to repeat the playback of a self-defined portion or scene of your media file.

MENU
Jumps to the DVD Menu screen during DVD Playback.

PREV
Skips backward to the previous file/track.

PLAY
Plays the selected file/track.

NEXT
Skips forward to the next file/track.

TITLE
Opens the text input box for URL input while in a menu screen.

REV
Rewinds the current media playback. Press again to toggle 2x, 4x and 8x rewinding.

STOP
Stops playback and returns to the menu screen.

FWD
Fast-forwards through the current media playback. Press again to toggle 2x, 4x and 8x fast-forwarding.

REPEAT
Sets the playback mode to REPEAT.

ANGLE
Scroll through different camera or viewing angles during playback. (only applicable for supported multiangle playback formats)

PAUSE
Pauses the current media playback.

SLOW
Slows down the playback of the current media playback.

TIME SEEK
Allows you to time-seek the current selected media for a jump to a particular playback time; hour:minute:second = 00:00:00 (use numeric buttons to input the desired playback time).

ZOOM
Toggles between available viewing options. See **Remote Control Functions** for more information.

SUBTITLE
Turns ON the subtitles and toggles through its options.
(if available with your video playback).

AUDIO
Toggles between the available audio modes.

MEDIA FILTERS
Video: Filters the content to display video files only.

Music: Filters the content to display music files only.

Photo: Filters the content to display image files only.

ALL: Displays all file types.

Tip: Remote control not functioning - Try replacing the batteries with new ones.
If problem persists, please refer to ***Chapter 8: Troubleshooting***.

2.7 Installation

2.7.1 Video Connections

To connect your NMT to your television (TV) for video output, use one of the following options available on your NMT. All the video connectors are located at the rear panel of your NMT.

Component Video	
	Attach the COMPONENT video cable to the COMPONENT connectors of your NMT by matching the color coded connectors and ensure that the same is done for the opposite end into your TV input.

Note: This cable is not supplied with your NMT.

S-Video	
	Attach the S-VIDEO cable to the S-VIDEO connector of your NMT and ensure that the same is done for the opposite end to your TV input.

Note: This cable is not supplied with your NMT.

Composite Video

Attach the yellow COMPOSITE video cable to the COMPOSITE connector of your NMT and ensure that the same is done for the opposite end to your TV input.

Note: This cable is not supplied with your NMT.

HDMI

Attach the supplied HDMI cable to the HDMI connector of your NMT and ensure that the same is done for the opposite end to your TV input.

HDMI provides the best interface for your NMT and your High Definition TV as it is able to support a video mode of up to 1080p, with audio output as well.

2.7.2 Audio Connections

To connect your NMT to your TV or audio system for audio output, use one of the following options available on your NMT.

Note: The HDMI cable also carries your audio output on the same cable, thus a separate audio connection from your NMT to your TV is not required.

Composite Audio	
	Attach the COMPOSITE audio cable to the red and white COMPOSITE connectors of your NMT and ensure that the same is done for the opposite end to your TV input.

Note: This cable is not supplied with your NMT.

Optical Digital Audio	
	Attach the optical audio connector into the OPTICAL connector on your NMT and ensure that the same is done for the opposite end to the audio input of your audio system.

Note: This cable is not supplied with your NMT.

Coaxial Digital Audio	
	Attach the coaxial digital audio connector to the COAXIAL on your NMT and ensure that the same is done for the opposite end to the audio input of your audio system.

Note: This cable is not supplied with your NMT.

2.7.3 Network Connections

Your NMT allows you to connect the unit to your network to expand its functionality and enhance your multimedia experience. Use one of the following connections to connect your NMT to your network.

LAN (RJ-45 Ethernet)	
	Attach the LAN connector to the ETHERNET connector at the rear of your NMT and connect the opposite end of the LAN cable to a router on your network. The LAN (RJ-45 Ethernet) cable connection is the recommended connection method as it allows faster access to and from your NMJ. For more information about the Ethernet functions on your NMT, refer to **Chapter 7.1: Network**.

Wireless USB Adapter	
	You may purchase a optional wireless USB adapter such as the WN-150 to extend your NMT to wireless connection.

Note: The wireless USB adapter is not supplied with your NMT.

This Quick Start chapter will guide you on how to set up your Popcorn Hour A-210 NMT to play your first video on your TV.

Movies, videos, music, photos, and other media stored on external storage devices such as flash memory drives or external hard disk drives (HDD) can be easily connected to your NMT via the available USB interface and played back on your TV.

3.1 Viewing a Video

Once the power supply and the appropriate cables have been connected to your NMT and TV, connect a USB external storage device (containing your desired video file) to your NMT using the USB port (available on the front and rear of your NMT).

Follow the steps below to play a video:

1. Power **ON** your NMT and allow it to boot up. The loading screen may flicker as the unit configures its video output to suit your TV.

2. At the Media Source screen, use the D-Pad on the remote control or front panel to scroll to the USB option, as shown below.

3. Press **ENTER** to select the USB option. Your USB external storage device is now activated for use with your NMJ.

Note: If you have more than one USB storage device connected, you may choose to activate one of the devices from the given list.

4. Using the D-Pad, browse to the location of your video file.

5. Select the desired video file. Press **PLAY** or **ENTER** to start the playback of the chosen video file.

6. Press the **STOP** button to end the video playback. Repeat the steps above to play any other compatible media file.

3.2 Basic Remote Control Buttons

Here are some basic remote control buttons and their functions.

Playback controls			
⏮	PREV Plays the previous file in the media list	▶	PLAY Plays the current selection and the other files in the media list
⏭	NEXT Plays the next file in the media list	◀◀	REV Rewinds the current active playback file
■	STOP Stops the current active playback file	▶▶	FWD Forwards the current active playback file
🔊	PAGE UP Increases the output volume of the NMT	⏸	PAUSE Pauses the current active playback file
🔉	PAGE DOWN Decreases the output volume of the NMJ	👤	SOURCE Returns to the Media Source screen

For a comprehensive list of remote control functions, refer to ***Chapter 6.1: Remote Control Functions***.

3.3 Basic Video Setup

The video output resolution can be customized to fit your TV properly. To identify the best viewing resolution for your TV, refer to the user guide supplied with your TV.

To select the best video output resolution for your TV, follow the steps below.

1. At any menu screen, press **Setup** on your remote control.

2. At the Setup Screen, select the **Audio/Video** option to access the display options screen.

3. Select the **Video Output** option to choose a video output resolution for your TV.

4. Press **ENTER** to confirm your selection and save your selection by selecting **SAVE** (the **SAVE** button is located at bottom-right side of the Audio/Video menu).

Below is a list of some common output resolutions and their quick-access remote control buttons:

Remote Control quick-access button	Video resolution
TV Mode -> 0	Auto (default)
TV Mode -> 1	Component/Composite NTSC 480i
TV Mode -> 2	Component/Composite PAL 576i
TV Mode -> 4	Component 720p60
TV Mode -> 5	Component 1080i60
TV Mode -> 6	Component 1080p60
TV Mode -> 7	HDMI/Component 720p60
TV Mode -> 8	HDMI/Component 1080i60
TV Mode -> 9	HDMI/Component 1080p60

Note: The TV MODE button allows you to perform an on-screen selection of an output resolution.

To use the quick-access buttons, press and release the **TV Mode** button, followed by pressing and releasing the corresponding numeric button.

For example, to get the output of HDMI 1080i60, press and release **TV Mode**, followed by pressing and releasing the numeric **8** button on the remote control.

For further information regarding the Video Setup of your NMT, see **Chapter 6.4.2.1: *Video Mode Options***.

3.4 Basic Audio Controls

The audio volume output of your NMT can be controlled using the **Page Up** and **Page Down** buttons on the remote control during playback.

For the most natural sound output from your NMT, leave the volume at **0** (no signal boost). For volume control, increase or decrease the volume of your audio system to obtain a comfortable audio volume output.

Caution: Boosting the output volume of your NMT may cause audio distortion.

4.1 Installing Media Servers on your PC

4.1.1 myiHome

When it comes to digital content, there is always the hassle of organizing and presenting your content for playback. Showcasing your digital content is made simpler by having an organized media library.

The fundamental concept behind the myiHome Media Server has always been an easy to use, simple to navigate and quick to access method to showcase your contents.

myiHome is updated automatically when it detects new content. It also allows transcoding, which means that if the NMT does not support the reproduction of some form of native multimedia file for lack of proper codec, myiHome transcodes it on the computer to reproduce such content via network streaming. This way, you do not have to re-encode the file to another compatible format for use on the NMT.

To set up myiHome on your PC, follow the steps below.

1. Download the latest version of myiHome from:
   http://www.popcornhour.com/download/myihome/myihome.html

2. Once the download is complete, launch the installation program.

3. Follow the onscreen instructions to install the myiHome program.

4. Once the installation is complete, launch the program and follow the onscreen instructions to set up the myiHome program.

4.1.2 UPnP AV or DLNA Server

Your NMT will automatically detect all available UPnP AV compliant content servers on starting up and will list them on the Media Source screen. No additional setup is required on the unit itself.

It is possible to access attached USB storage devices remotely using your NMT. Browse to **Setup>Network Share** on your NMJ to see the USB storage devices attached to your PC.

The attached USB storage devices must be formatted with Ext2 / Ext3 or FAT16 / FAT32 in order to be compatible with your NMT . This will enable you to upload, change or execute files (NTFS and HFS formatted drives are read-only).

Note: FAT16 and FAT32 formats have a file size limitation at 4 GB, which may pose a problem for large media files such as a DVD ISO with minimal compression.

Some servers may require additional authorization configuration on the server-side, such as the Windows Media Player Network Sharing Service (WMP-NSS) described below.

4.1.3 Windows Media Player Network Sharing Service (WMP-NSS)

WMP-NSS allows you to playback your PC's media files using your NMT when both units are connected to your home LAN network.

To enable WMP-NSS playback on your NMT, the NMT has to be authorized using the WMPNSS application on your PC. Follow the steps below to set up the WMP-NSS.

1. Ensure that both your PC and NMT are connected to your LAN and switched on.

2. On your PC, launch the WMPNSS application, select the following menu options:

   Options > Library > Configure Sharing

3. Select the checkbox next to the **Share my media to** menu item. You should now have a list of detected devices to choose from on the menu (right-clicking a selected device listed on it will show you a list of options).

4. Select Properties to view details about each device. Find the device that matches the MAC address of your NMT and select **Allow** in the menu item for that device.

Note: To identify the MAC address of your NMT on the network, refer to ***Setup > Network*** on your NMT. The MAC address will be listed under Ethernet Configuration.

4.1.4 Third-Party HTML-based Servers

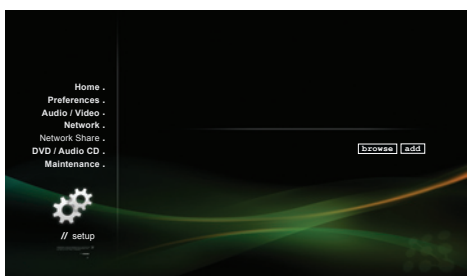
Your NMT supports HTML-based media stream extensions. User-developed media streaming servers are compatible with your NMT and you will be able to access media content from these streaming servers over the internet.

These open-source third-party streaming servers are available at:

WiZD for NMT	*http://jhue.users.sonic.net/*
SwissCenter	*http://swisscenter.co.uk*
Llink	*http://www.lundman.net/wiki/index.php/Llink*
GB-PVR	*http://jhue.users.sonic.net/*

4.2 Setting up Network Shares on your NMT

A network share allows the NMT to stream media stored on external devices that are connected to the same network. Currently, the NMT supports network shares through Samba (SMB), File Transfer Protocol (FTP), and Network File System (NFS).



4.2.1 Samba Share Setup

To set up your NMT for Samba Sharing, navigate to ***Setup > Network Share***. You can browse your SMB network and add the path to the list, or manually input the path to your SMB share by selecting the **add** button:

smb://<hostname or ipaddr>/foldername

4.2.2 NFS (Network File System) Shares Setup

To set up your NMT for NFS sharing, navigate to ***Setup > Network Share***, and type in the full path to your NFS share, as shown below.

smb://<hostname or ipaddr>/foldername (colon after hostname is required)

With firmware 01-15-080330-14-POP-402 or newer you can select the protocol (TCP or UDP) used for the NFS connection:

nfs:// (UDP)

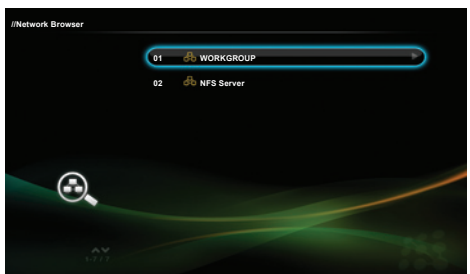
nfs-tcp:// (TCP)

Some firewalls, including the Microsoft® Windows XP firewall will block critical parts of UDP NFS server connections, even if correctly configured. If you experience a **No content found** error when using UDP, try switching to the TCP mode.

Some gigabit switches have problems with UDP, thus preventing data streaming (viewing files may appear to be unaffected). If you encounter this problem, try switching to the TCP mode.

4.3 Accessing your Network Shares on the NMT

4.3.1 Browsing Network Shares

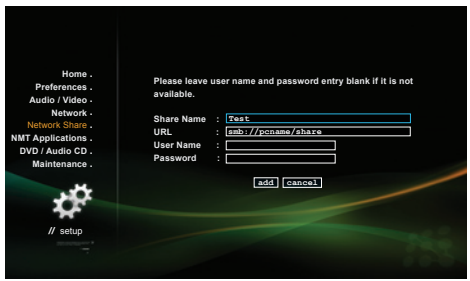


To browse your connected Network Shares, go to ***Media Source > Network Browser*** and select WORKGROUP to see the available Network Shares on your network.

Various shared media servers on your network and Permanent Network Shares may also appear on the Media Source screen for easy selection.

Note: Ensure that your NMT is connected to your network properly and the desired media servers or folders have been configured to allow sharing before browsing for Network Shares.

4.3.2 Permanent Network Shares



To ease the search of specific Network Shares on your network, you may bookmark them on your NMJ. Follow the steps below to add Permanent Network Shares to your NMT.

1. Go to ***Setup > Network Share*** and select the **add** button.

2. Enter the information into each category according to the type of Network Share that you want to add:

- **Share Name** - Enter a name for your Permanent Network Share. The name will be displayed on the Media Source screen if the Permanent Network Share is **active**.

- **URL** - Enter the path of the Permanent Network Share. Refer to Section 4.2 to obtain the correct paths according to the type of Network Share.

- **User Name** - Enter the login username of the Network Share that you want to access (if required).

- **Password** - Enter the login password of the Network Share that you want to access (if required).

Note: Network Shares are mounted and **active** after it has been selected in the Media Source or Network Browser screens. Only one Permanent Network Share can be **active** at a time.

Your NMT allows you to install an internal hard disk drive (HDD) to expand its capabilities. A HDD is required for installation of media applications on your NMT.

Note: If you do not wish to use the NMT Applications on your Popcorn Hour A-210 NMT, you may skip this chapter.

Refer to the **Hard Disk Drive (HDD) Installation** to install a HDD.

Caution: The Fresh Setup installation option will ERASE ALL DATA on your HDD. Ensure that you backup important files on the HDD into separate storage media.

The **Typical Setup** will reinstall the NMT Application without erasing your HDD.

1. Switch **ON** your NMT and allow it to start up.

2. Ensure that the HDD is properly installed and recognized by your NMT.

3. Navigate to the Setup screen and select Maintenance.

4. At the Maintenance screen, select the NMT Setup Wizard and follow the onscreen instructions.

5. At the NMT Setup Wizard screen, choose a setup option (Typical Setup or Fresh Setup) and select Next to confirm option.

6. In the next screen, select Next to confirm the HDD selection.

7. Select Next to format your HDD using the ext3 format.

8. At the warning notice screen, read the message and ensure that the correct selections have been made. Select Next to go the NMT Setup Source screen.

9. At the NMT Setup Source screen, select Online or USB according to the source of the update NMT Applications file. To begin the NMT installation process, select Next. To perform a manual NMT Applications installation, download the latest firmware package from the NMT website and unzip the files into the root drive of a USB flash memory device.

   For further information, see **Chapter 6.4.8: *Firmware and NMT Applications Update***.

Note: For an automated installation procedure, select Online at the NMT Setup Source screen (ensure that your NMT is connected to the internet).

10. Your NMT will restart when the installation is completed. Your NMT is now ready for use with NMT Applications.

Important:
Please ensure that your Popcorn Hour A-210 NMT has been updated with the latest firmware. Firmware updates will ensure that your Popcorn Hour is compatible with the latest hardware and software available today.

This user guide is written for the Popcorn Hour A-210 NMT with firmware version:

02-03-0100918-21-POP-411-000 or newer.

Refer to **Chapter 6.3.7: Maintenance** section below for a guide on updating your firmware.

6.1 Remote Control Functions

Button	Functions
POWER	Press once to put the NMT into **Standby** mode or to awaken the NMT from the **Standby** mode Press **Power > Eject** to reboot the NMT Press **Power > Delete** to turn off the NMT
FILE MODE	Press once to display three options: • Add file to list • Create Folder • Rename File If you already have a file listed then you have further options: • Add to list • Remove from list • Copy listed items here • Move listed items here • Create folder • Clear list • Delete listed items • Rename file Press **Enter** on the highlighted file to confirm the selection.
SETUP	Press once to access the Setup menu screen During video playback, press this button once to see the video display options Press **Setup > Play** to disable the ***Setup Page Lock*** option

BT SUSPEND	This button is reserved for future use
 PAGE UP	Moves up a page on a list of media files Increases the volume during media playback
 PAGE DOWN	Moves down a page on a list of media files Decreases the volume during media playback
 USB DVDROM/ EJECT	Ejects an attached external CD/DVD-ROM drive Ends a media playback
 TV MODE	Quick-access button to select a TV output resolution. See **Video Mode Options** for more information
 MUTE	Mutes the audio output
0 - 9 Alphanumeric Keypad	Quick selection of media content according to their numbered listing on the menu screen Allows users to input alphanumeric values During media playback, pressing a number on the keypad will skip to a certain percentage of the total playback time of the media file. For example, pressing 3 will skip to 30% of the media file and start the playback from there

DELETE DELETE	To erase alphanumeric values during input
CAPS / NUM CAPS/NUM	To switch between capitalized, numeric and non-capitalized letters during alphanumeric value input
 RETURN	Return to the previous menu screen
 SOURCE	Returns to the Media Source screen
 Directional Keypad (D-Pad)	Allows you to navigate and highlight options or media files Partial time seek during movie playback (left and right directional keys only)
 ENTER	Selects the currently highlighted selection or plays the highlighted media file (single file playback only)
 INFO	Displays the timeline bar during media file playback. Press again to display the media file information such as the title, format, and other details
 HOME	Returns to the Media Filters menu screen of your currently selected Media Source During a DVD playback, this button enables or disables **Repeat A/B**

MENU	Jumps to the DVD Menu screen during DVD playback to allow playback customization
PREV	Skips backward to the previous file/track
PLAY	Plays the selected file/track and continues to the next file/track on the list
NEXT	Skips forward to the next file/track
TITLE	Opens the text input box for URL input while in a menu screen
REV	Rewinds the current media playback
STOP	Stops playback and returns to the menu screen
FWD	Fast-forwards through the current media playback, continue pressing to toggle 2x, 4x and 8x fast-forwarding

REPEAT	Repeats the current selected media file. During music playback, this button offers three playback modes: • Press once: Chosen song is played repeatedly. • Press twice: Playback will restart at the top of the list once the final song on the list is done playing. • Press three times: Disables the Repeat modes.
ANGLE	Switches the camera or viewing angle during DVD playback (only applicable for supported multiangle DVD playback formats) (Switches the PMT for TS with multiple-PMT support)
PAUSE	Pauses the current media playback
SLOW	Slows down the playback of the current media playback
TIME SEEK	Allows you to time-seek the current selected media for a jump to a particular playback time; ***hour:minute:second = 00:00:00*** (use numeric buttons to input the desired playback time)
AUDIO	Toggles between the available audio modes

Tip: Replace the batteries with two new AAA batteries if the remote control is slow to respond or does not respond at all.

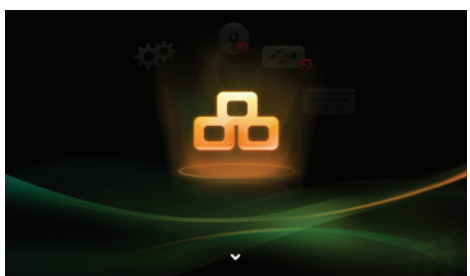
SUBTITLE	Turns ON the subtitles and toggles through its options (if available with your video playback) More functions of the **Subtitle** button: • Press once for timing offset. Use the Left/Right D-Pad buttons to set the timing offset • Press twice to display the language used. Use the Left/Right D-Pad buttons to toggle between languages or turn subtitles OFF • Press three times to change the color of the subtitles. Use the Left/Right D-Pad buttons to change the colors • Press four times to display the subtitle size. Use the Left/Right D-Pad buttons to change the size • Press five times to change subtitle position. Use the Left/Right D-Pad buttons to lower/raise the subtitle position on the screen • Press the **Subtitle** button on the ***Media Source*** screen to display the time
ZOOM	Toggles between the available viewing options During single file playback, the **Zoom** button functions: • Press once and use the Left/Right D-Pad button to toggle between Actual Size, Fit To Screen, Crop or Full Screen • Press twice to Magnify the screen size. Use the Left/Right D-Pad buttons to reduce or zoom by 1% increments • Press three times to Pan/Scan. Use the Left/Right and Up/Down D-Pad buttons to move the display screen on the X-axis/Y-axis During DVD Playback; • During playback of a DVD/ISO file, press **Zoom** once, then use Left/Right D-Pad buttons to zoom in/out
RED button	Displays only ***video*** files (press twice to initiate NMJ setup)
GREEN button	Displays only ***audio*** files
YELLOW button	Displays only ***image*** files
BLUE button	Removes **all** Media Filters and displays all file formats

Tip: The four media filter buttons may have extra functions depending on the applications used, such as third-party HTML servers and when browsing MSP portals. The extra functions will be displayed onscreen for easier reference when available.

6.2 Media Source (Main Menu)

This is the main selection menu where you may select the source of your media or access the network and setup menu.
Navi: D-Pad to scroll through available options and **ENTER** to confirm selected option.

6.2.1 Network



This option allows you to browse and activate available file servers on your network such as workgroup computers and network-attached storages (NAS).

6.2.2 Harddisk (Internal HDD)

This selection allows you to browse and select the media in the internal hard disk drive. This option will only accessible when one or more hard disk drives are installed and formatted in the NMT.

6.2.3 USB

This selection allows you to browse and select the media files in USB external storage devices attached to your NMT. This option will only be accessible when one or more USB external storage devices are connected to your NMT.

6.2.4 CD/DVD/BD

This selection allows you to browse and select the media in the CD/DVD/BD that you have inserted into the CD/DVD/BD-ROM drive. This option will only be accessible when a CD/DVD/BD-ROM drive has been installed into or attached to your NMT.

6.3 Setup

The Setup screen allows you to configure various options of your NMT.

A description of the available options on the Setup screen is listed below.

Home	Returns to the Media Source screen or the media list of the current media source.
Preferences	Allows you to configure general settings for your NMT.
Audio / Video	Displays settings for video output as well as video aspect ratio control.
Network	Displays current IP information and allows the configuration of network settings.
Network Share	Allows you to configure the media servers.
NMT Applications	Allows you to configure the settings for the BitTorrent client and other installed applications. This screen will only be enabled when a HDD has been installed into your NMT and the NMT Applications have been installed.
DVD / Audio CD	Allows you to configure the content parental control levels, the Autoplay function, the audio output and subtitles used when a DVD or CD player is connected to your NMT.
Maintenance	Displays the current device firmware information and allows you to check for firmware updates. The NMT Setup Wizard is also available on this screen.

Tip: Remember to select **SAVE** when your customization is complete to confirm your selections.

6.3.1 Preferences

This setup screen allows you to set your preferences for some features of the NMT.

Options	Description
Language	Allows you to set the display language of your NMT.
Subtitle Language	Allows you to select the default subtitle language (if available) during video playback.
Play Mode	Allows you to set the repetition mode of your media during playback.
Photo Transition	Allows you to set the transition type when viewing photos in a folder.
Photo Interval	Allows you to set the time length that a photo will be displayed (up to 600 seconds).
Screen Saver	Allows you to set the idle time length before the screensaver displays.
Setup Page Lock	Allows you to lock the settings made on the Setup page to prevent accidental changes in the settings. Tip: To disable the Setup Page Lock, press **Setup > Play** on your remote control. Remember to **SAVE** your settings to confirm your selection

6.3.2 Audio/Video

This option allows you to configure your NMJ to produce the best possible audio and visual experience for your enjoyment.

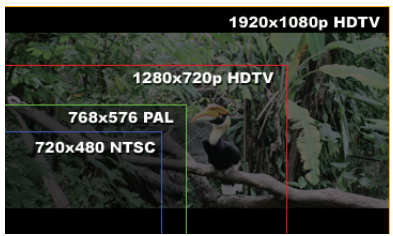
6.3.2.1 Video Mode Options

This setup screen allows you to customize the video output modes of your NMT to suit your TV or projector.

Note: To use the quick-access buttons, press and release the TV Mode button, followed by pressing and releasing the corresponding numeric button.

For example, to get the output of HDMI 1080i60, press and release TV Mode, followed by pressing and releasing the numeric 8 button on the remote control

Options	Description
Video Output	Allows you to select the video output mode and resolution of your NMT. Kindly refer to your TV or projector user manual to determine the best output resolution for the video display. There are three video modes available: • Composite Mode • Component Mode • HDMI Mode For the Component and HDMI modes, you will be able to select the output resolution to better suit your TV. Shown below is a comparison of the resolution sizes.



Listed below are the remote control quick-access buttons for some of the common TV resolutions.

Quick-access button	Video resolution
TV Mode -> 0	Auto (default)
TV Mode -> 1	Component/Composite NTSC 480i
TV Mode -> 2	Component/Composite PAL 576i
TV Mode -> 4	Component 720p60
TV Mode -> 5	Component 1080i60
TV Mode -> 6	Component 1080p60
TV Mode -> 7	HDMI/Component 720p60
TV Mode -> 8	HDMI/Component 1080i60
TV Mode -> 9	HDMI/Component 1080p60

Framerate Sync	Select a framerate sync for the video output if the playback shows an inconsistent or poor sync rate.
Video Zoom	Allows you to select the default video zoom output of your NMT. Zoom options: Actual Size, Fit to Screen, Crop View and Full Screen View.
TV Type	Allows you to set the viewing aspect ratio to suit your TV or projector. Please refer to the user manual supplied with your TV to determine the best viewing aspect ratio.
Colorspace	Allows you to choose a suitable colorspace for the NMJ display output.

6.3.2.2 Audio Mode Options

This setup screen allows you to customize the audio output modes to suit your TV or audio system.

Options	Description
HDMI Audio	Allows you to enable or disable the HDMI audio when using a HDMI cable to connect your NMT and TV.
DTS	Allows you to configure your NMT DTS audio output as analog or digital.
AC3 (Dolby Digital)	Allows you to configure your NMT Dolby Digital audio output as analog or digital.
AAC	Allows you to configure your NMT AAC audio output as analog or digital.
WMA Pro	Allows you to configure your NMT WMA Pro audio output as analog or digital.

Note: Please ensure that your audio system is fully compatible with the selected output options. If there is no audio output after an audio setting has been changed, kindly reset the audio to the previous working option.

6.3.3 Network

This setup screen allows you to customize your NMT to work with your network.

Options	Description
Mode	Allows you to select the wired or Wi-Fi IP address assignment mode (auto or manual).
Time Zone	Allows you to select the time zone in which your NMT is located.
Time Server	Allows you to input the URL of the server that your NMT retrieves the day and time information. The default URL is set to pool.ntp.org.
Daylight Saving	Allows you to enable or disable Daylight Saving Time (only applicable to countries that practice daylight saving time).
MAC Address	The MAC address of your NMT is displayed here.
IP Address	Displays IP address of your NMT on your network. Select the ***Configure IP*** option to configure an IP address for your NMT on your network, or the Configure Proxy option to configure the proxy settings of your NMT.

6.3.4 Network Share

Network Shares allow the NMT to stream media content stored on external devices connected together within the same local network. The NMT supports Samba (SMB), File Transfer Protocol (FTP), and Network File System (NFS) shares.

This setup screen allows you to configure the various media servers available for use on your NMT. For more information about the settings and options available, see **Media Sharing**.

6.3.5 NMT Applications

This screen allows you to set your NMT device name and workgroup for use on a Samba Workgroup as a Samba server. The Samba server allows your PC to access media or files stored on your NMT.

This screen also allows you to stop or start an application that has been installed and configured on your NMT. Press **ENTER** on your remote control to stop a running application or start a stopped application.

NMT Applications are network services that can be installed onto your NMT to further extend its functionality. The added network services are such as:

UPnP AV Server	This functions as UPnP AV server to share your NMT media to other UPnP AV clients.
myiHome Server	Allows you to access media files on your NMT over HTTP with a HTML-based UI.
FTP Server	File Transfer server.
Samba Server	Samba remote filesharing server.
NFS Server	NFS remote filesharing server.
Torrent	Allows you to perform and maintain BitTorrent downloads.
Usenet Client	Allows you to use the Usenet downloading service.

For **NMT Applications** installation, see **NMT Applications Installation**.

To set up the NMT Applications to function on your network, see **Configuring the NMT Applications**.

6.3.6 DVD/Audio CD

This setup screen allows you to configure the DVD and Audio CD settings of an attached external USB CD/DVD-ROM drive.

Options	Description
Parental Control	Allows you to turn the parental control on or off.
Autoplay	Allows you to turn Autoplay on or off when a CD or DVD is inserted into the external USB CD/DVD-ROM drive.
Audio	Allows you to select the default language for your audio output from a DVD or CD.
Subtitle Language	Allows you to select the default language for the subtitles to be displayed when playing a DVD movie from the external DVD-ROM drive.

6.3.7 Maintenance

This setup screen allows you to view and perform maintenance of your NMT.

Options	Description
Firmware Version	Displays your current NMT firmware version.
Kernel Version	Displays the current NMT kernel version.
NMT Version	Displays the current of your NMT Applications version.
Cardea License	Displays the Cardea license number (if available).
Check for firmware update	Select this option to allow your NMT to check for the latest firmware available. Your NMT has to be connected to the internet to use this function.
NMT setup wizard	Select this option to setup your NMT when a new HDD is installed into your NMT. This option will format your HDD to work with your NMT and install the required NMT Applications. Note: This setup wizard will erase all data in your HDD if a Fresh Setup is selected.
Reset to factory settings	Resets your NMT to its factory default settings.

6.3.8 Firmware and NMT Applications Update

There are two methods to update the firmware of your NMT. Choose one of the procedures below.

Caution: Do NOT attempt to turn off or restart your NMT when the unit is performing a firmware update, as doing so will damage your unit.

Online Method

Note: Both the firmware and NMT Applications updates are included in the firmware update file.

1. On your NMT, stop all torrents from uploading and downloading.

2. Stop all file copying/transferring and all network shares.

Note: Unplug all USB devices connected to your NMT.

3. Restart the unit.

Note: To restart the unit, press the POWER button for 3 seconds to allow the internal HDD (if installed) to turn off. Once the POWER button ring light turns red, switch the unit off using the Power **ON/OFF** switch at the rear panel and unplugging the power cord. Wait for 60 seconds before reconnecting the power cord and switching the unit on using the Power **ON/OFF** switch. Press the POWER button to start the NMT. Once the Media Source screen appears on your TV, the restart is completed.

4. Ensure that your NMT is connected to the Internet.

5. Go to **Setup > Maintenance > Update** and select ***Check for Firmware Update***.

6. Allow the unit to check for updates and perform them if there are updates available (this may take up to a few hours depending on your Internet connection speed and bandwidth).

7. Your NMT will restart when the update is completed and the NMT Applications Setup will begin if you have an internal HDD installed.

6.3.9 USB Method (Offline)

To update your NMT without using the ***Check for Firmware Update*** function, follow the steps below.

Note: Both the firmware and NMT Applications updates are included in the firmware update file.

1. Using your PC and an Internet connection, download the latest firmware updates from the link below.

   http://www.popcornhour.com/download/firmware_update.html

2. Once the download is complete, unzip the files into the root folder of a USB flash memory device. Please ensure that the file **usbupdate-firmware release date.html** is present on the USB flash memory device.

3. On your NMT, stop all torrents from uploading and downloading.

4. Stop all file copying/transferring and all network shares.

Note: Unplug all USB devices connected to your NMT.

5. Restart the unit.

Note: To restart the unit, press the POWER button for 3 seconds to allow the internal HDD (if installed) to turn off. Once the POWER button ring light turns red, switch the unit off using the Power **ON/OFF** switch at the rear panel and unplugging the power cord. Wait for 60 seconds before reconnecting the power cord and switching the unit on using the Power **ON/OFF** switch. Press the POWER button to start the NMT. Once the Media Source screen appears on your TV, the restart is completed.

6. Plug the USB flash memory device into a USB port on your NMT. Use the Media Source screen to select the USB flash memory device.

7. Locate the file ***usbupdate-firmware release date.html*** and press **ENTER** on the remote control to select it.

8. A screen with the firmware version will be displayed. Press **ENTER** again to start the firmware update.

9. Do NOT turn off your NMT while the update is running, as it will cause your NMT to stop working.

10. Your NMT will restart when the update is completed.

6.3.10 NMT Applications Installation/Update

To update or reinstall the NMT Applications on your NMT, follow the instructions below.

1. Using your PC and an Internet connection, download the latest update file from the link below.

   http://www.popcornhour.com/download/firmware_update.html

2. Once the download is complete, unzip the files into the root folder of a USB flash memory device. Please ensure that the file **apps.nmt** is present on the USB flash memory device.

3. On your NMT, stop all torrents from uploading and downloading.

4. Stop all file copying/transferring and all network shares.

Note: Unplug all USB devices connected to your NMT.

5. Restart the unit.

Note: To restart the unit, press the POWER button for 3 seconds to allow the internal HDD (if installed) to turn off. Once the POWER button ring light turns red, switch the unit off using the Power **ON/OFF** switch at the rear panel and unplugging the power cord. Wait for 60 seconds before reconnecting the power cord and switching the unit on using the Power **ON/OFF** switch. Press the POWER button to start the NMJ. Once the Media Source screen appears on your TV, the restart is completed.

6. Plug the USB flash memory device into a USB port on your NMT.

7. On your NMT, browse to **Setup > Maintenance > NMT Setup Wizard**.

8. Select **Typical Setup**, press **Next**, then select **USB** as the setup source. Press **Next** to reinstall or update the existing NMT Application on your NMT.

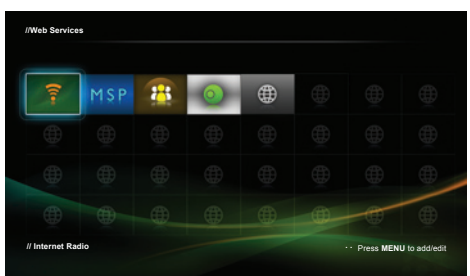
9. Do NOT turn off your NMT while the update is running, as it will cause your NMT to stop working.

10. Your NMT will restart when the update is completed.

6.4 Web Services

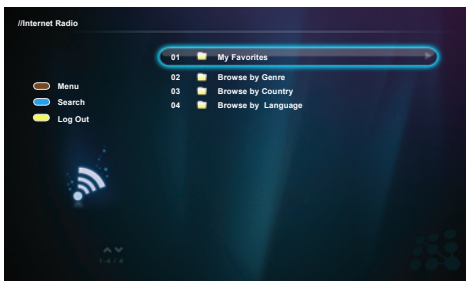
This option allows you to connect to Internet-based services such as the Internet Radio, Media Service Portal (MSP), view the BitTorrent status screen, and access URLs from your most frequently visited web service sites.

Press the **MENU** button to add and/or edit web services on your NMT, as shown below.



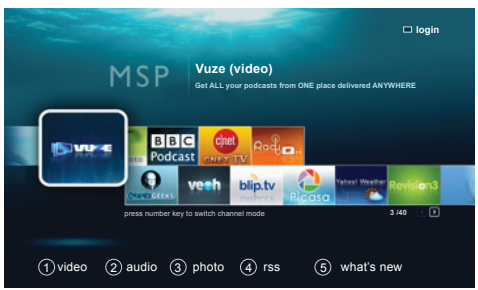
6.4.1 Internet Radio

The Internet Radio screen allows you to tune into available internet radio stations.



6.4.2 MSP (Media Service Portal)

The Media Service Portal allows you to access popular unicast web-based media content such as YouTube, Picasaweb and Flickr using your NMT.



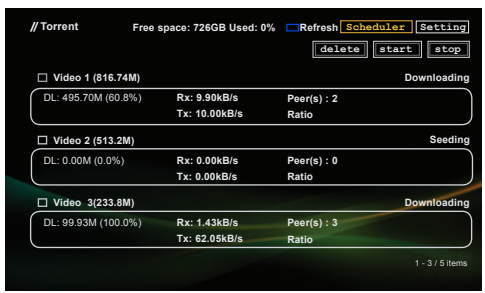
6.4.3 MSP Community

The MSP Community is a web community containing user-developed plugins.

For more information about the MSP Community, kindly refer to:
http://www.networkedmediatank.com/wiki/index.php/Web_Services

6.4.4 Torrent

The Torrent screen allows you to view and control the status of your BitTorrent downloads.



Note: This option requires the installation of a HDD and the NMT Applications.
For more information about BitTorrent downloads, see ***Torrent Setup***.

7.1 NAS (Network-Attached Storage) Functions

7.1.1 FTP Server

The FTP service allows for simple and convenient file transfer to and from your NMT.

1. Connect with an FTP client, such as **FileZilla**.

2. Use the following settings and credentials:

Host	: **IP address of your NMT**
Port	: **21**
Username	: **ftpuser**
Password	: **1234**

7.1.2 SMB Server

Samba Share (SMB) is one of the most common ways to share files over a network. SMB can be used for streaming your media files as well.

1. Connect to the NMT with the unit's IP address or browse to the SMB host name; for example **\\PCH-C200\.**

2. Use the following credentials:

Username	: **nmt**
Password	: **1234**

7.1.3 NFS Shares (Network File System)

7.1.3.1 haneWIN NFS Server

For information on the haneWIN NFS Server, visit ***http://www.hanewin.net/***

7.1.3.2 Setting up NFS Shares on Linux OS

Follow the steps below to set up a NFS share on Linux OS.

1. Configure the kernel to include the NFS file-system and server support.

2. Edit the **/etc/exports** file and add the following commands as a new line:

   <access path> <allowed IP address range+permissions>

   For example: **/home/share 192.168.0.0/24(rw)**

   This will share the **/home/share** folder to everyone in the **192.168.0.x** network with Read and Write **(rw)** permissions.

3. Run **/usr/sbin/exportfs -a** to update the changes.

7.1.4 Syabas CE-HTML Server (myiHome)

Showcasing your digital content is made simpler by having an organized media library.

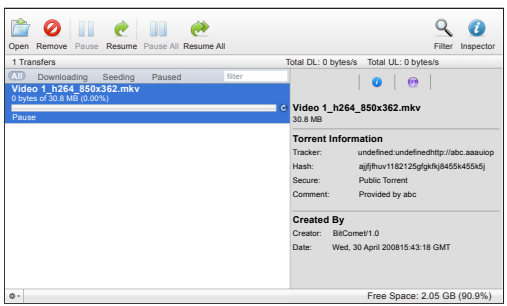
The **myiHome Media Server** is a proprietary server software designed for your PC to ease the sharing of your media with your NMT.

Popcorn Hour provides the myiHome software for use with your NMT, and it can be downloaded from:

http://www.popcornhour.com/download/myihome/myihome.html

Once the myiHome software is installed on your PC, it should be automatically detected by your NMT, and added to the list on your Media Source screen.

7.2 Torrents Setup



To setup your NMT to perform BitTorrent downloads, you must first have the NMT Applications installed on your NMT. The supplied BitTorrent client is accessible using your PC connected to the NMT via network. Follow the steps below to access the BitTorrent client:

1. On your PC, use a web browser to access the BitTorrent client on the NMT. Type the following address in the URL address bar of the web browser:

   http://NMT-IP:8883/torrent/bt.cgi
   (where NMT-IP is the IP address of your NMT on your network, for example 192.168.2.2.)

2. At the BitTorrent client GUI, click on **Browse** and select the torrent file that you have downloaded to your PC earlier.

3. Once the torrent file is selected, click on **Upload** to add the torrent file to the torrent list on your NMT. The BitTorrent client will start the torrent download if the Torrent option on your NMT is enabled.

4. Other functions available such as the Scheduler can be used to schedule torrent downloads and set their upload/download limits, or the Setting screen to customize the BitTorrent client.

Note: The NMT has to be switched ON and properly connected to the Internet during the scheduled download time in order for the BitTorrent client to download the required files.

7.2.1 Enable/Disable BitTorrent Downloading

The BitTorrent client runs as a service on the NMT and installed together with the NMT Applications package.

To enable or disable the BitTorrent service, follow the steps below:

1. Go to **Setup > NMT Applications**.

2. In the list of installed NMT Applications, locate the Torrent application and notice its status.

3. If the status is labeled **Start**, it means that the BitTorrent client is currently disabled. Select **Start** to enable it or **Stop** to disable the BitTorrent client.

7.3 Usenet Client Setup: NZBGet

NZBGet is a command-line based binary newsgrabber that downloads files from Usenet servers based on information given in **NZB files**. NZBGet can be installed on the NMT and the files can be downloaded straight into the NMT.

To run the NZBGet application you need access to a Usenet provider. Your ISP may have a news server that you can access, or you can have a separate Usenet account on a **pay-server**. Usenet accounts vary in prices from a few dollars up to $35 a month depending on your needs. There are many Usenet servers to choose from, and here is a list provided by Google:

http://www.google.co.uk/search?q=usenet+provider+comparison

Once you have a Usenet account, you can configure NZBGet on your NMT to access the account. Your Usenet provider will provide you with the information required, such as:

1. User ID and Password.

2. News-server name and port to connect (usually at port **119**).

3. Number of concurrent connections allowed.

7.3.1 Setting up the NZBGet on the NMT

In the root of your hard disk you will find a folder called **.nzbget**. Inside this folder you will find two files: **nzbget.conf** and **unpak.sh**.

Note: Some FTP clients may hide this folder because it begins with a dot **.**. On UNIX systems, files or folders that begin with a dot are hidden from normal directory listings. If you cannot see the folder, find an option on your client that will show hidden files or try to type in the folder name.

You can open and edit **nzbget.conf** with a text editor.

Note: To edit the **nzbget.conf** file, use a UNIX-format capable text editor.

In the text editor, fill in the information you got from your Usenet provider:

Host-name of news server:

server1.host=news.yourserver.com
(Put the server name behind the **=**)

Port to connect to
(default should be set to **119** if not specified):

server1.port=119

Username to use for authentication
(change **USERNAME** to the name supplied by your Usenet provider):

server1.username=USERNAME

Password to use for authentication
(change **PASSWORD** to the password supplied by your Usenet provider):

server1.password=PASSWORD

Maximum number of simultaneous connections to this server:

server1.connections=4

Once completed, save the file to the same place and restart the Usenet service in the NMT Applications menu (**Setup > NMT Applications**).

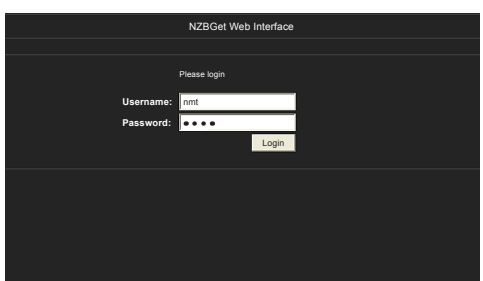
7.3.2 Usenet: Working with NZBGet

Working with NZBget is simple and quick. Connect to the NZBGet web GUI from a browser via ***http://ip.of.your.nmt:8066***.

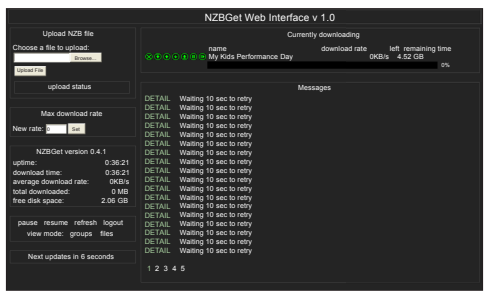
Note: If the IP address of your NMT is ***192.168.1.100***, type ***http://192.168.1.100:8066*** in the address bar of your web browser.

To log in, use the following access username and password:

User ID : **nmt**
Password : **1234**

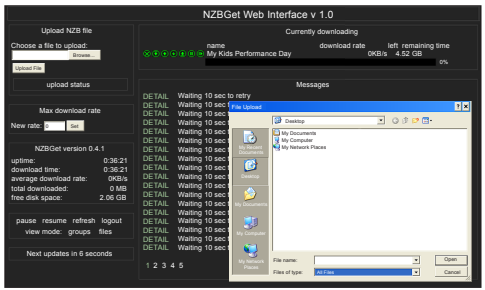


You will now see the NZBGet web GUI, as shown below:



7.3.3 Downloading

To perform a download, upload your NZB file by clicking on the **Choose...** button and browsing to the NZB file, as shown below.



Next, click the **Upload File** button and begin the download.

The file will be uploaded to your NMT and added to download queue.
(This process does not upload any files to the Internet).

After uploading the NZB file, it will take a minute before the program commences the download. There is a safety interval of 1 minute to allow NZBGet to ensure that the NZB file is completely on the HDD before commencing the download. You may adjust the safety interval in **nzbget.conf**, option **NzbDirFileAge**. The progress of the download is displayed on the web GUI for your convenience.

After a download is finished and the NZB file set contains **par2** files, your download will be checked and repaired if necessary. The unpack script in **.nzbget** will be called and your download will be unpacked. The unpack script of the NMT is able to unpack **.RAR** packed files and also unpack **.RAR** files nested inside of **.RAR** packs.

With the GUI you will be able to pause, delete, and move your downloads. You may set the file download priority of important file by moving them to the top of the queue with the buttons in front of the file set.

If you want to pause all downloads, you can do that via the **pause** button on the bottom left of the web GUI, and restart it again with the **resume** button.

All downloads will be downloaded and unpacked to the folder **Download** on your NMT's HDD and will be in a folder that has the same name as the NZB file you uploaded, so be sure to give your NZB files descriptive names to ease identification.

For more information and download optimization tips, kindly refer to:

http://www.networkedmediatank.com/wiki/index.php/Nzbget

8.1 Frequently Asked Questions (FAQs)

This collection of frequently asked questions (FAQs) provides brief answers to many common questions about the Popcorn Hour A-210 NMT.

Q1: Why can't I play my DVD .iso file using myiHome?

myihome does not support DVD playback. Please use the SMB/NFS functions for DVD .iso playback.

Q2: My Popcorn Hour A-210 NMT will not start after resetting it using the factory default settings function.

The factory default setting function will reset your video display to the Auto mode, which may not be compatible with your TV or projector. Refer to **Video Mode Options** to change your display mode to suit your TV or projector.

Q3: There is no display or video output after waking up the Popcorn Hour A-210 NMT from Standby mode.

This is because the Video output mode has been changed using the **TV MODE** key and the settings were not saved. Go to **Setup > Audio/Video** to configure the Video Output mode again and save the settings using the SAVE button.

Q4: (HDMI Mode) During initial setup, no display or video signal detected.

1. Disconnect the HDMI connection and connect your NMT to your TV using a Composite Video connection

2. Restart the NMT and wait for the loading screen to appear

3. Wait until the screen goes blank

4. Press **TV MODE -> 1** for NTSC or **TV MODE -> 2** for PAL on your remote control to force a video output mode.

5. Once the menu screen is visible, go to **Setup > Audio/Video** and set up the proper HDMI output mode for your TV and then SAVE the selection.

6. Remove the Composite Video connections and reconnect the HDMI connectors to the NMT and your TV.

7. Restart the NMT.

Q5: Can I plug in an external CD/DVD-ROM drive?

Yes, the USB port can support an external CD/DVD-ROM drive. However, the NMT does not support CSS encryption. Your DVD must region-free and encryption-free in order to use the CD/DVD-ROM drive function.

Q6: Where can I download/update the firmware for my Popcorn Hour A-210 NMT?

See **Firmware and NMT Applications Update** for instructions and more information.

Q7: Help, my video files are not playing. Is this a bug or a faulty Popcorn Hour A-210 NMT?

Not all codec and encoding formats are compatible with your NMT. See **Supported Audio/Video Formats** or go to **MediaInfo** (***http://mediainfo.sourceforge.net/***) for more information.

For further help and information regarding video playback, kindly refer to our forum at ***http://www.networkedmediatank.com*** for advice.

Q8: Why won't the video subtitles appear?

- Ensure that the subtitles are in a supported format
- The subtitle file must be in the same folder as the video file
- The name of the subtitle file must be the same as the name of the movie (except for the file format extension).
- The Subtitle Language (**Setup > Preferences > Subtitle Language**) must not be set to None, as this will disable all subtitles. Remember to save the setting when done.

Q9: How do I back up my DVD so that it can be played back by the Popcorn Hour A-210 NMT ?

The DVD has to be saved into the **.iso** format. DVD **.iso** playback is only supported via NFS/SMB network connection (it will not work with myiHome). In case of poor quality playback in SMB, use NFS to share the file.

Q10: How do I recover the Popcorn Hour A-210 NMT from a failed firmware update with the fail-safe kernel?

To recover the NMT if the firmware update fails and the NMT is no longer responding, visit the following link for the latest methods and required files. (PC with internet connection required)
http://support.popcornhour.com/article.aspx?id=1089

Note: This method is only applicable for the Popcorn Hour C-200 NMT.

Q11: What are the hard disk drives (HDDs) that are compatible with the Popcorn Hour A-210 NMT?

For an updated list of compatible HDDs, please refer to:
http://www.networkedmediatank.com/wiki/index.php/HDD_Compatibility

Q12: How do I fix the EXT2/EXT3 filesystem in the Popcorn Hour A-210 NMT if it is corrupted?

1. Download the tools from ***http://files.syabas.com/networkedmediatank/scan_package.zip*** and unzip them into the root folder of a USB flash storage device.

2. Select the USB flash storage device as the Media Source and browse to the **Others** media filter. Select the **scandisk.html**.

3. Select the **Disable NMT** option.

4. Then click on the **Scan NMT Partition** option to scan the HDD partition for damaged sectors. Restart the NMT when the scanning has been completed.

5. Browse to the **Others** media filter again and select **Enable NMT**.

6. Restart the NMT and test the options or services that were affected.

7. If the problem persists, reinstall the **NMT Applications** or repeat steps 3 to 6 with the **Scan Content Partition** option selected.

8.2 Technical Support Contact Information

If you experience problems not listed in the Troubleshooting chapter and require help and support for your NMT, kindly refer to our online Help and Support webpage at:

http://www.popcornhour.com

On the Popcorn Hour website, click on:

Support - For technical articles, downloads, documentation and other materials to help you get the most from your Popcorn Hour NMT.

Community – To get connected to the online Popcorn Hour community, user forums, guides, tutorials, and the ever-expanding NMT Wiki.

8.3 Accessories Installation

8.3.1 Chassis Fan Installation

Your NMT allows the installation of an internal chassis fan to assist with lowering the operating temperature of your unit. Follow the steps below to install a 60mm computer fan into the NMT.

1. Remove the top cover of your NMT and locate the chassis fan mount.

2. Align the fan to expel warm air from the inside of your NMT.

3. Secure the fan to the NMT using four screws and plug in the power supply of the chassis fan to the Molex connector (labeled: BACK FAN) on the mainboard.

4. Select the appropriate jumper configuration to control the fan voltage settings.

Note: The chassis fan is not included with your NMT. Kindly contact your nearest IT store to purchase a chassis fan.

9.1 User Interface

Types	Bonjour UPnP SSDP UPnP AV Windows Media Connect Windows Media Player NSS Samba NFS BitTorrent P2P Usenet downloader Casgle iDVR RSS feed downloader
Media Servers	myiHome, myiHomeLite, myiHomeMS (UPnP), MSP Portal
Third-party media servers	WizD, SwissCenter, Llink, GB-PVR
Third-party Apps	NMT Community Software Installer
NAS Access	SMB, NFS, FTP

9.2 Web Services

Video	Revision 3, Videocast, CNET TV, Mediafly, Mevio, Bliptv, Break Podcast, CBS Evening News, CNN Anderson Cooper 360 Daily, CNN The Larry King Podcast, NBC Today Show, The CNN Daily, CNN In Case You Missed It, NBC Nightly News, NBC Meet The Press, CBS Face the Nation, Podfinder UK, Motorz.
Audio	Jamendo, iPodcast, BBC Podcast, Indiefeed, CNN News, ABC News.
Photo	Flickr, Picasaweb, Pikeo, 23, Photobucket, SmugMug.
RSS feed	Yahoo! Weather, NMT Forum, Bloglines, Cinecast, MSNBC News, Traffic Condition, Yahoo! Traffic Alerts, Yahoo! News, Weather Bug.
Peer-to-peer TV	SayaTV.

Internet Radio	SHOUTCast™ Radio, Radiobox, Live365 Radio.
Apps Market	Apps Store for your Popcorn Hour

9.3 Supported Media File Formats

Video Containers	MPEG1/2/4 Elementary (M1V, M2V, M4V) MPEG1/2 PS (M2P, MPG, DAT, VOB) MPEG2 Transport Stream (TS, TP, TRP, M2T, M2TS, MTS) AVI, ASF, WMV Matroska (MKV) MOV (H.264), MP4, RMP4

Video Decoders	XVID SD/HD MPEG-1 MPEG-2 MP@HL MPEG-4.2 ASP@L5, 720p, 1-point GMC MPEG-4.10 (H.264) • BP@L3 • MP@L4.0 • HP@L4.0 • HP@L4.1 WMV9 • MP@HL SMPTE 421M (VC-1) • MP@HL • AP@L3
Audio Containers	AAC, M4A MPEG audio (MP1, MP2, MP3, MPA) WAV WMA FLAC OGG TTA

Audio Decoders	Dolby Digital DTS WMA, WMA Pro MPEG-1 Layer 1,2,3 MPEG-4 AAC-LC, MPEG-4 HE-AAC, MPEG-4 BSAC LPCM FLAC Vorbis
Audio Pass-Through	DTS DTS-HD MA DTS-HD HR Dolby Digital Dolby Digital Plus Dolby True HD

Other Formats	ISO IFO navigation AVCHD navigation Simple BD navigation
Photo Formats	JPEG BMP PNG GIF
Subtitle Formats	SRT MicroDVD SUB SSA SUB/IDX

9.4 Hardware

Chipset	Sigma Designs SMP8643, 667 MHz CPU with floating point coprocessor
Memory	512MB DDR2 DRAM, 256MB NAND Flash
Audio/Video Outputs	HDMI v1.3a, 36bpp deep color 12-bit xvYCC processing HDCP 1.2 content protection Component Video S-Video Composite Video Stereo Analog Audio S/PDIF Optical Coaxial Digital Audio
Ports/Connectors	Power LED and Attention LED 1x USB 2.0 host at the front 1x USB 2.0 host at the back 1x USB 2.0 slave at the back

	Internal mounting for 2.5” or 3.5” SATA HDD Infra-Red Remote Control Full power down, standby and power up by remote control Service pin hole for TV Mode switching and shutting down without remote control High Quality Aluminum Case Fanless Operation
Dimension	Width 10.4” (265 mm) Depth 5.31” (135 mm) Height 1.77” (45 mm) Weight 2.2 lbs (1kg)
Network	Ethernet 10/100/1000** Mbps ** Gigabit support depends on Switch/Router compatibility

Power	AC-DC adaptor Input 100~240V AC, 50~60 Hz Output 12V DC, 3A max typical : 8 W (no additional device installed/attached) maximum : 36 W

10.1 Apps Market - Internet Connection Required

1. Navigate to Web Services -> Apps Market.

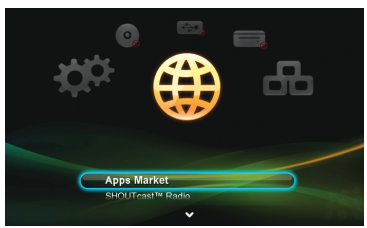


Figure 1.0 : Apps screen

2. A list of apps market available for installation will be shown.

3. Navigate with your D-pad on your remote, and choose which apps market you like to install.

4. Choose Install and hit enter on the remote. You will be prompted to start the application once installation is successful.

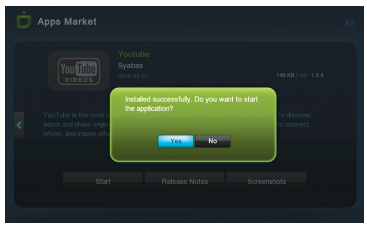


Figure 2.0 : Apps Market installation successful prompt

5. Hit Left on the D-pad to bring up the apps menu, which will provide more viewing options.

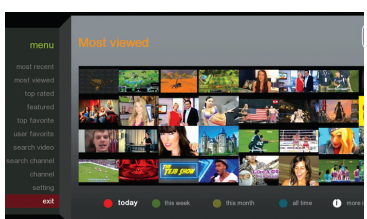


Figure 3.0 : Apps Market menu screen

6. Navigate to Exit, return to Apps Market.

7. On Apps, navigate left to access your Apps Market that you have already installed.

Figure 4.0 : My Apps screen

10.2 NMJ - Required Internet Connection

Preparation for Jukebox Setup and Scanning

1. **Movie** - For more accurate Jukebox setup, we recommend you change the filename to remove any extra tagging other than the movie name. For example:
   movie_name HD1080p.mkv should be rename to:
   movie_name.mkv

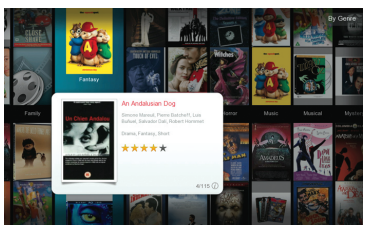
TV series - If the TV series has multiple seasons, the files must be named as follows:

tvseries S01E01.mkv
tvseries S01E02.mkv
...
tvseries S01E02.mkv

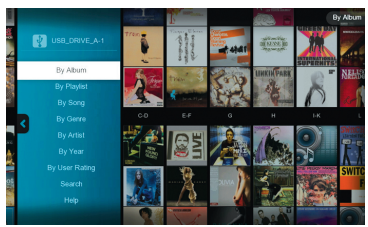
(S = Season and E = Episode within that series)

Note: If the cover art is incorrect for a movie of TV series after Jukebox setup, you can manually edit the information page for the particular item to correct the mistake.

2. While browsing the content of any writable source such as HDD, Samba or NFS Share, press corresponding colored button to enter Jukebox mode.



Video Wall



Music Wall

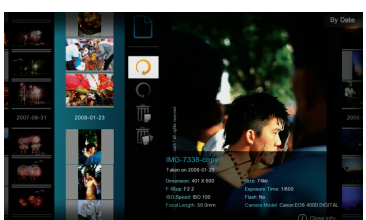
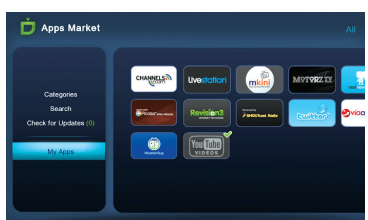


Photo Wall



Apps

3. If this is your first time, it will prompt for scanning of media files on your storage device, to build the user interface.

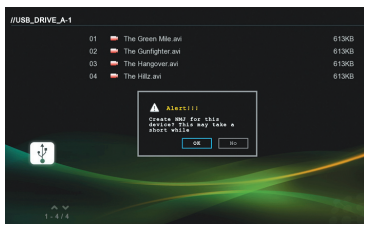


Figure 5.0 : Create database pop-up screen

4. Press enter on **"OK"** and it will start scanning through the storage for media files. After a few minutes, a progress indicator will be displayed on center corner. This process may take from a few minutes to hours, depending on the amount of content on your storage.

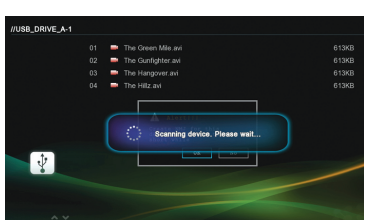


Figure 6.0 : Scanning progress indicator screen

Note: If the cover art is incorrect for a movie of TV series after Jukebox setup, you can manually edit the information page for the particular item to correct the mistake.

5. Once the scanning is done, it will enter Jukebox user interface with video wall.

6. You may return to list view by using the corresponding colored key.

7. In Setup preference, NMJ database update must set to automatic, otherwise it will not scan for new contents when entering Jukebox.

Networked Media Jukebox Guide

1. In Jukebox mode, press the MENU to access Jukebox option.

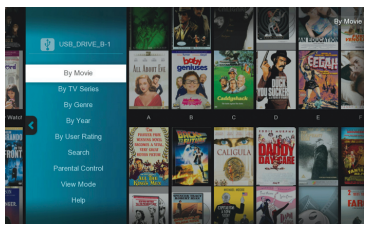


Figure 7.0 : NMJ movie screen

- **By Movie** - Sort by Movies
- **By TV Series** - Sort by TV Series
- **By Genre** - Sort by movie genre, for example: Acion, Adventure or Cartoon
- **By Year** - Sort by movie year of release
- **By User Rating** - Sort by User Ratings of Movies
- **Search** - Allow you to input movie title to quickly conduct a search
- **Parental Control** - Enable or Disable Parental Control
- **View Mode** - Wall or Category Mode
- **Help** - An MNJ Overview

2. In Jukebox mode, press the MENU to access Help.

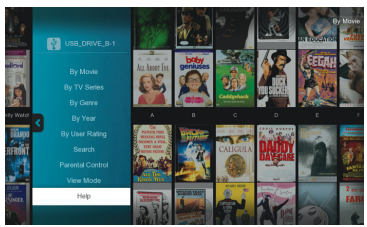


Figure 8.0 : NMJ help screen

3. In Jukebox menu, press LEFT to access additional menu option.

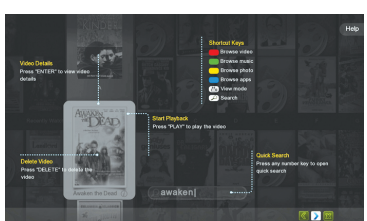


Figure 9.0 : NMJ help guide screen

- Quick access to Movie Jukebox
- Quick access to Music Jukebox
- Quick access to Photo Jukebox
- Quick access to Apps
- User Preference
    - **Security** - Enable/Disable the “DELETE” key function
    - **Scan Media Source** - Manually start a scan for a new media
    - **Autostart Menu** - Enable/Disable the Autostart menu
- Setup

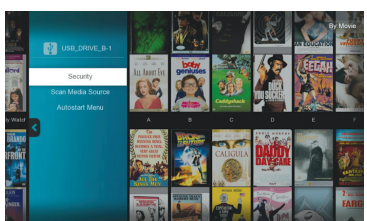


Figure 11.0 : NMJ security screen

Shortcut Keys

1. Press ANGLE button to quickly switch view mode.

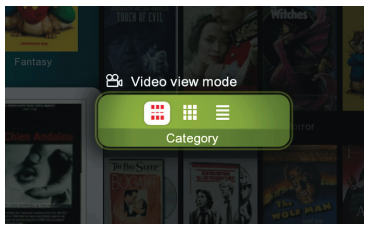


Figure 13.0 : Shortcut video view mode screen

2. Press TIME SEEK button to quickly switch view mode.

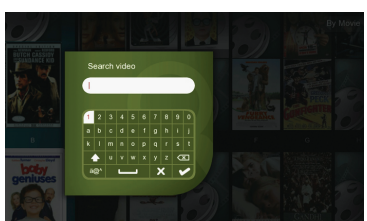


Figure 14.0 : Switch view mode screen

3. Press Alphanumeric keys to access quick search.

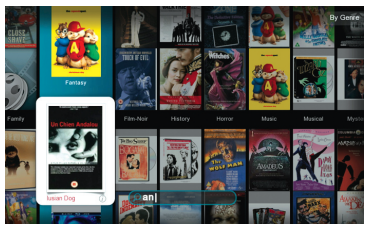


Figure 15.0 : Quick search screen

Options in Movie Sypnosis

1. Delete - Delete the current selected movie, can disable in Jukebox menu.

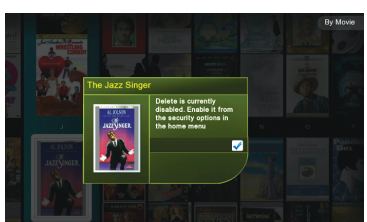


Figure 16.0 : Delete movie screen

2. User Rating - You can rate your movies here, from 1 to 5 stars.

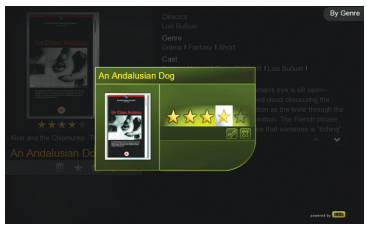


Figure 17.0 : User rating screen

3. Edit - Edit movie sypnosis data.

Figure 18.0 : Edit movie sypnosis screen

4. Play - Play your Movie.

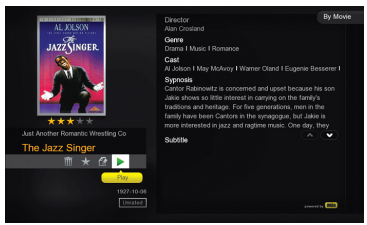

AL JOLSON
JAZZ SINGER
Just Another Romantic Wrestling Co
The Jazz Singer
1927-10-06
Unrated
By Movie
Director
Alan Crosland
Genre
Drama I Music I Romance
Cast
Al Jolson I May McAvoy I Warner Oland I Eugenie Besserer I
Synosis
Cantor Rabinowitz is concerned and upset because his son Jakie shows so little interest in carrying on the family's traditions and heritage. For five generations, men in the family have been Cantors in the synagogue, but Jakie is more interested in jazz and ragtime music. One day, they
Subtitle

Figure 19.0 : Movie screen

You may scroll up or down in this page, by using the UP or DOWN button in remote to move to next movie.